

MINUTES

REVISED

BOARD OF SELECTMEN

Municipal Water Information Meeting & Open House

Saturday, April 27, 2013 1:00PM

Location: Earle Mountain Room

Present: Selectman Aimee J. Eckman, Chair; Selectman John F. Knight, Vice-Chair; Selectman Wallace F. Adams, Clerk; Selectman Linda S. Burt; Selectman Martin F. McDonald; Sheila Vanderhoef, Town Administrator, Assistant Town Administrator Nan Balmer

Also Present: Representative Sarah Peake, Congressman Dan Wolf, Jeffery H. Davis, DBA Organization Renewal Associates

Selectman Aimee Eckman called the Municipal Water Informational Meeting & Open House to order at 1:00pm.

Municipal Water Informational Meeting

Mr. Jeffery H. Davis, DBA Organization Renewal Associates, was present and acted as Moderator Facilitator as he was contracted by the Town to do so.

The Board of Selectmen was present to discuss and answer questions of the public as to the Municipal Water System. The powerpoint presentation and the list of questions asked by the public are attached to these minutes.

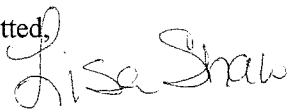
The Board presented an Informational Municipal Water Project Open House for the public as well. There were several stations set up with presentations and handouts available for the members of the public seeking to obtain information.

ADJOURNMENT

The meeting was adjourned at 3:00PM.

Respectfully Submitted,

Lisa Shaw



QUESTIONS FROM THE WATER MEETING TOWN HALL APRIL 27, 2013

1. Is this like kicking the can down the road?

- need to put wells in certain parts of town less impacted by pollution?
- no place for municipal waste plant?
- municipal waste way too expensive?
- no plan to educate public on pollution creation
- so get clean water but continue to pollute

How much money has been spent in the last 5 years to address pollution creation in Eastham?

2. We were among the 20 Silent Spring subject tests. They were very thorough.
Roz and Bernie Kaplan

3. Why has the Town not tested the proposed public wells for other toxins besides nitrates and dioxane? Will it?

It seems likely that the EPA (which is more concerned with septic than water) will demand partial sewerage, which according to one EPA online document would cost approximately 50K per home. How would this be paid for? Could I possibly be paying this amount plus the 25K which is my amount for the water?

What will be the effect of the large draw of water during the summer months on the proposed Town wells?

Is it not true that the highest nitrate levels in Town are in the area of well #1?

Will local contractors be hired to build the system?

What will the town do if dioxane shows up in town water?

Since this is such a crucial and costly issue, should it not be decided by a town-wide ballot at Town Hall? Otherwise, taxpayers who are out of town, ill, or for other reasons cannot attend a meeting, cannot vote.

4. May out of town home owners vote? How? (Assume this is the principal residence.)

5. Re: Height of water tower: How does that compare to height of current cell phone tower?
randy/garry@comcast.net

6. Public Town water versus private wells: What protections does a Zone II provide?
Related to that: How often are town wells tested and for what?

7. Will there be a public education/awareness component to the project? My concern is that people will be less conscious of water conservation with town water. petenancy75@gmail.com

8. Would/Should we be using bottled water for drinking right now?

9. How frequently will the Town wells be tested in accordance with Federal Drinking Water Laws?

10. What would happen to Eastham without Sheila, our Selectmen, and Finance Committee?

11. Can we include the remarks made by Rep. Peake and Sen. Wolff at Town Meeting? I think it's a must!

12. If Town Meeting approves the private home rental tax and if the Legislature approves this, could the substantial revenues from this be used to help pay back water debt?

13. Is there a way that a homeowner can find out how much her taxes will increase?

14. Newspaper letters are confusing. Please tell us the total cost of municipal water? Thank you.

15. How have you arrived at your projected inflation rate? (source, please) Does the tax calculator contain an inflation index and if so, is it in addition to the 2% per phase inflation projection? Thank you.

johnjayknox@comcast.net

16. If we do not install a town water system, will the State then come in and demand that we do so? And that would be paid for by the townspeople, I presume?

17. An excellent film presentation. Will it help the discussion by being shown at Town Meeting?

Bernard Kaplan

18. Is the film going to be shown at Town Meeting? Is Aimee going to do her slide show? I think both are a must. What measure for elderly who don't drive?

19. A sample of our water was taken yesterday by Bennett per request of the Town. What elements are they testing for?

nuendelcapecod@aol.com

20. How can non-residents/2nd home owners, who don't live in town year round, show their support?
(since we can't vote)

21. Who is Silent Spring Water Study Org?? And who sponsors them? Does current budget have funds/provisions for future treatment for town water? Is 2% bond guaranteed?

Need for Water

Vision Statement:

"The Board of Selectmen recognize that every citizen of the Town of Eastham has the right to a clean and safe water supply;

Therefore, we propose the development of a municipal water system for our Town.

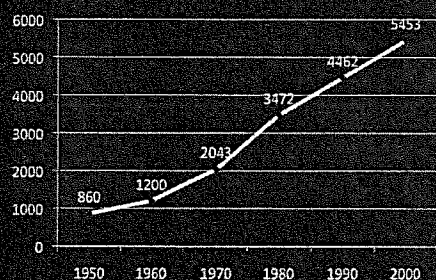
This will provide for immediate and long term public health, improve fire safety, and protect property values; ensuring the continued vitality of the Town and its citizens, now and for future generations."

Eastham's Development Over Time

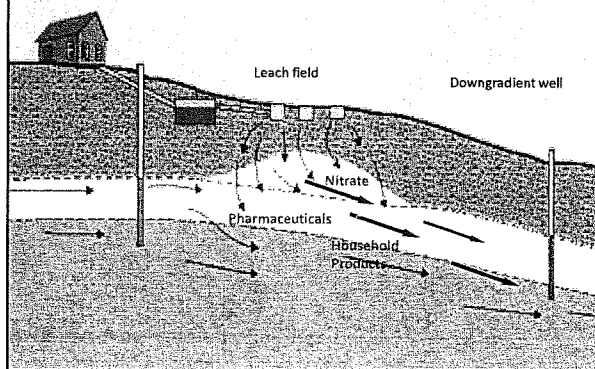
Map or photo of
Eastham circa 1960

Map or photo of
Eastham circa 2010

Population Changes since 1950

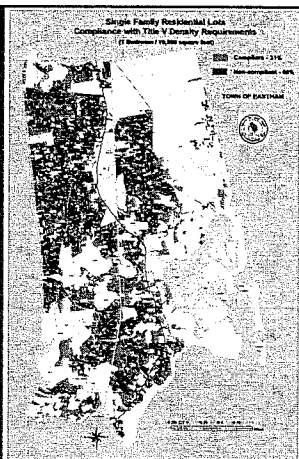


Title V septic System



Bedroom density and nitrate levels

70% of single family residences (7 out of 10 homes) exceed the Title 5 standard for density on nitrogen sensitive lots



NITRATE IS AN INDICATOR OF WASTEWATER IN WELL WATER

MORE NITROGEN = MORE CONTAMINANTS

Nitrate > 0.5 ppm is above background
From: Cape Cod Commission

Nitrate > 2.0 ppm influenced by septic system
From: Barnstable County Department of Health

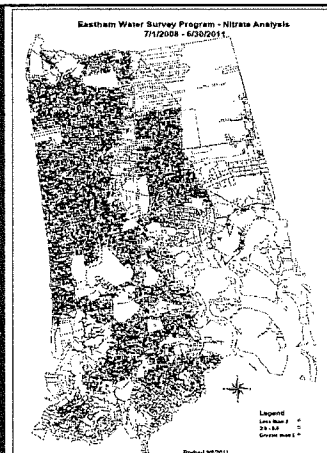
Other “stuff” in our water...

- Pharmaceuticals and “emerging contaminants” (Silent Spring study)
- Lawn fertilizers and pesticides
- Road Runoff
- Landfill contaminants
- What was once considered safe is no longer the case!
- What will we learn tomorrow?

1,4 Dioxane

- Showing up in wells down gradient from capped landfill.
- First tested for in November of 2012
- Current MassDEP standard is 3ppb
- 6 households offered bottled water
- 1 new well installed
- July 2013 standard to change to 0.3ppb

This is a
Town-Wide
Problem



Need for Water

Eastham Wastewater Mgmt Plan
GHD Inc., 2009

Principal Conclusions

“Wastewater treatment alone will not remediate the existing human health need of safe drinking water”

“The Town needs to protect the public health by providing a reliable public water supply from a protected source.”

Need for Water

Issues:

- Overdevelopment
- Septic impacts Town-wide
- Landfill contaminates

Benefits:

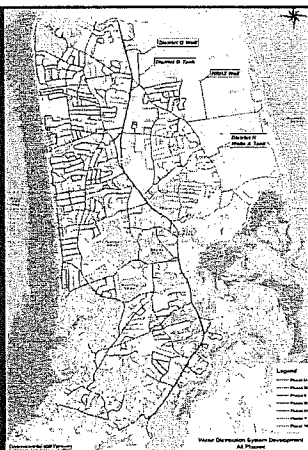
- Protect public health
- Increased fire protection
- Maintaining property values
- Investment for future generations

Our Proposed Plan for the Water System

Town-wide Water System

6 Phases
6646 connections

12-year construction program
2 years per phase



Service Connections Program

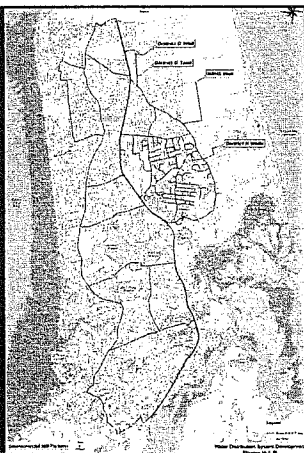
Phase	Year Connected	Connections	cumulative	% of total
1A	2016	1400	1400	21%
1B	2016	656	2056	31%
2	2018	1036	3092	47%
3	2020	1049	4141	62%
4	2022	915	5056	76%
5	2024	1316	6372	96%
6	2026	274	6646	100%

PHASE 1

- WELLFIELDS
- TRANSMISSION MAINS
- STORAGE TANK

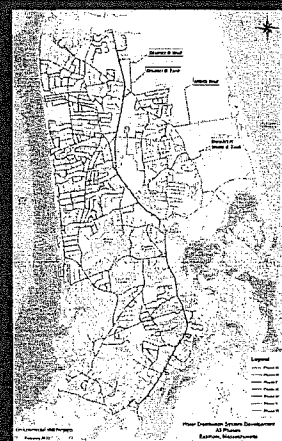
CONNECTION OPPORTUNITIES:

- 2056 Total
- 1745 Residential
- 80 Commercial
- 12 Industrial
- 59 Public Town/State
- 160 Open/Undev. Land



Detail of design and Installation:

March 19th @ 5 p.m.
March 23rd @ 10 a.m.



Detail of Financing and Operating costs

Total cost for 6 Phases: \$114,800,000

Information Sessions:

March 26th @ 5 pm
March 30th @ 10 am

Educate yourself at future meetings!

- Why Water (again)
- March 12th @10 a.m.
- Design & implementation:
- March 19th @5p.m. & 23rd @10 a.m.
- Financing & Operation:
- March 26th @5 p.m. & 30th @10 a.m.
- Wrap up (all 3 presented)
- April 13th & 27th @10 a.m. & 1 p.m.

Town of Eastham
Website:
www.eastham-ma.gov

Questions?

“Need for Water”

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